
BULLITT COUNTY

(Bullitt County Water Service Area Map)

- Estimated 1999 population of 60,500--77% on public water
- Estimated 2020 population of 78,100--82% on public water
- 395 miles of water lines, with plans for 56 additional miles
- Estimated funding needs for public water 2000-2005: \$5,210,000
- Estimated funding needs for public water 2006-2020: \$4,750,000

Bullitt County had an estimated population of 60,499 (21,433 households) in 1999 with a projected population of 78,136 (30,966 households) in 2020. Public water is provided to about 77 percent of the county's residents. In areas of the county not served by public water, about half the households rely on private domestic wells and half the households rely on other sources. About 1,560 households will be added to public water service through new line extensions in 2000-2020.

Estimated Costs - Proposed Projects, 2000-2005

| COUNTY/System | | New Customers | | Rehab | Source | Treatment | Tanks/ Pumps | Total |
|----------------------------------|-------|---------------|----------------|-----------|-----------|-----------|-----------------|-----------|
| | Miles | Number | Cost in \$1000 | In \$1000 | in \$1000 | in \$1000 | in \$1000 | in \$1000 |
| BULLITT | | | | | | | | |
| Kentucky Turnpike Water District | 40 | 909 | 2,460 | 1,000 | | | 1,750 | 5,210 |
| BULLITT COUNTY TOTAL | 40 | 909 | 2,460 | 1,000 | | | 1,750 | 5,210 |

Estimated Costs - Proposed Projects, 2006-2020

| COUNTY/System | | New Customers | | Rehab | Source | Treatment | Tanks/ Pumps | Total |
|----------------------------------|-------|---------------|----------------|-----------|-----------|-----------|-----------------|-----------|
| | Miles | Number | Cost in \$1000 | in \$1000 | in \$1000 | in \$1000 | in \$1000 | in \$1000 |
| BULLITT | | | | | | | | |
| Kentucky Turnpike Water District | 16 | 650 | 4,750 | | | | | 4,750 |
| BULLITT COUNTY TOTAL | 16 | 650 | 4,750 | - | | | - | 4,750 |

PUBLIC WATER SYSTEMS

The residents of Bullitt County are presently provided water by 9 public or semipublic systems, including 4 community systems: 3 municipal, Lebanon Junction Water Works, Shepherdsville Water Company, and Mt. Washington Water Company; 2 water districts, Kentucky Turnpike Water Districts #1 and #2; and 4 non-community systems.

WATER SERVICE AREAS

BULLITT COUNTY

Kentucky

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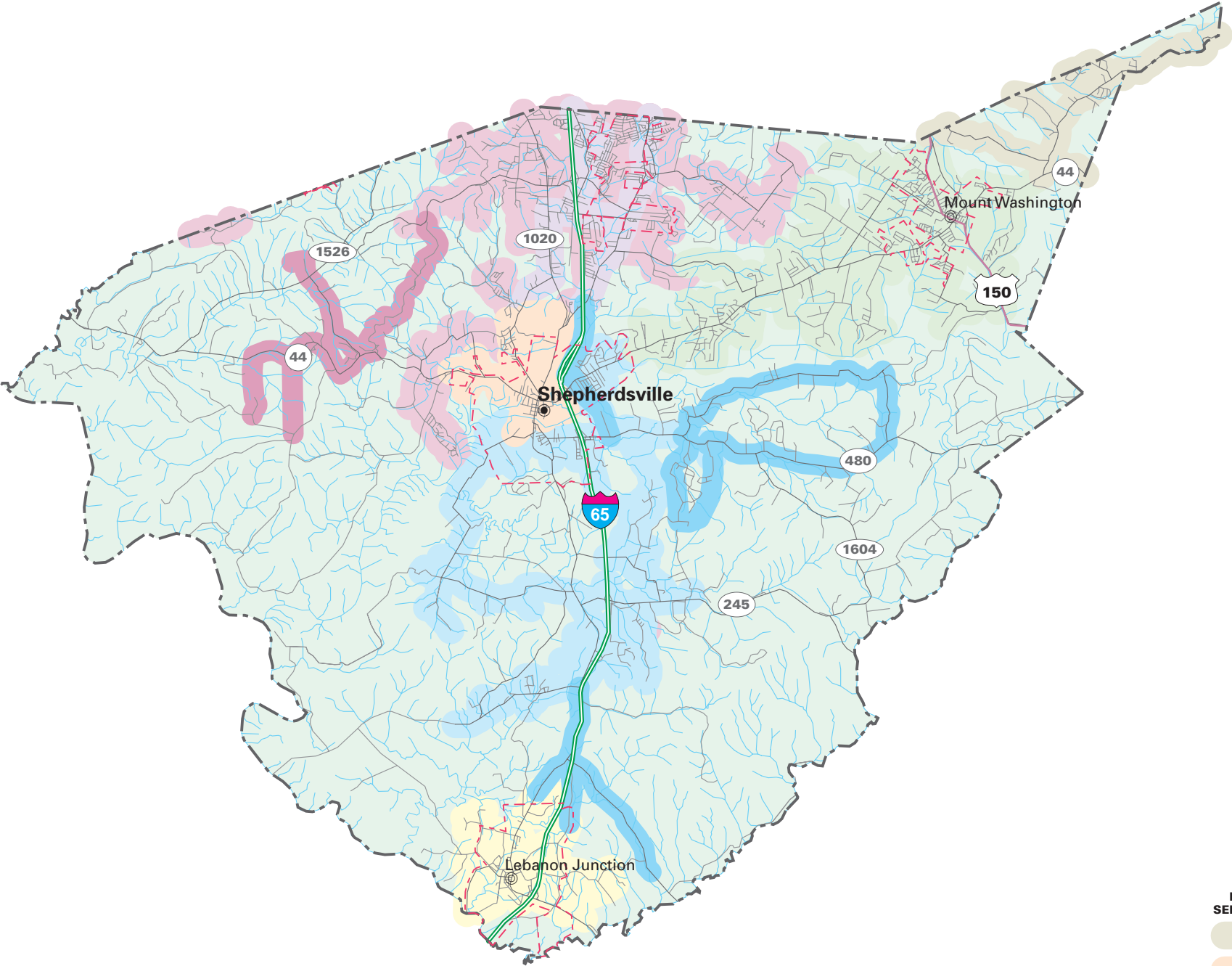
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WATER SERVICE STATUS BY OWNER

| EXISTING SERVICE AREA | PROPOSED SERVICE AREA | |
|-----------------------|-----------------------|-------------------------------------|
| | | TAYLORSVILLE WATER WORKS |
| | | SHEPHERDSVILLE WATER COMPANY |
| | | MOUNT WASHINGTON WATER COMPANY |
| | | LOUISVILLE WATER COMPANY |
| | | LEBANON JUNCTION WATER WORKS |
| | | KENTUCKY TURNPIKE WATER DISTRICT #2 |
| | | KENTUCKY TURNPIKE WATER DISTRICT #1 |

KENTUCKY TURNPIKE WATER DISTRICT #2

PWSID: 0150382
System Type: COMMUNITY
Owner Type: WATER DISTRICT
Surface Source:
Purchase Source:
Well Source:
Sells Water to:
Treatment Plant Capacity (MGD): 0.00
Percent Daily Average Production: 0.00
Total Tank Storage Capacity (gallons): 500,000.00
Total Service Connections: 2,300.00
Number of Employees: 5.00
Treatment Operator Class: 2D
Distribution Operator Class:
Customer Rate for 1,000 Gallons: 5.20
O/M costs 1997: 520,886.00
O/M costs per Service Connection: 281.71
Net Revenue 1997: 9,528.00
Total Water Produced 1997 (gallons): 0.00
Water Sold 1997 (gallons): 193,239,000.00
Unaccounted-for Water 1997 (%): 10.00

The Kentucky Turnpike Water District #2 (KTWD #2) presently serves 2,300 customers. The customer base is located east and south of Shepherdsville, Kentucky. The source of water for the KTWD #2 is the Louisville Water Company. KTWD not only serves 2,300 customers in Bullitt County, but also supplies the North Nelson Water District with as much as 8,000,000 gallons per month (wholesale). It also serves part of Shepherdsville, Kentucky and has two storage tanks with total storage capacity of 500,000 gallons. It has three pumping stations in operation that move more than 850,000 gallons per day and has had steady growth during the past ten years, mostly residential. The projected growth during the next ten years is predicted to outgrow the past by 8% each year. Last year, the residential meter increase was 29% over 1997. Presently, KTWD has the capacity to pump 700 gallons per minute through the master meter, moving through an old outdated 8 inch AC line. System demand is for more than it can presently supply at peak demand. The system is working to increase capacity, but planned projects completion is several years away. The need for water service expansion in Bullitt County results from the rapid growth and development in rural areas around and east of I-65.

KENTUCKY TURNPIKE WATER DISTRICT #1

PWSID: 0150355
System Type: COMMUNITY
Owner Type: WATER DISTRICT
Surface Source:
Purchase Source: LOUISVILLE WATER COMPANY
Well Source:
Sells Water to:
Treatment Plant Capacity (MGD): 0.00
Percent Daily Average Production: 0.00
Total Tank Storage Capacity (gallons): 500,000.00
Total Service Connections: 394.00
Number of Employees: 0.00
Treatment Operator Class: 2D
Distribution Operator Class:
Customer Rate for 1,000 Gallons: 0.79
O/M costs 1997: 6,295.00
O/M costs per Service Connection: 1.57
Net Revenue 1997: 168,551.00
Total Water Produced 1997 (gallons): 0.00
Water Sold 1997 (gallons): 441,655,000.00
Unaccounted-for Water 1997 (%): -

LEBANON JUNCTION WATER WORKS

PWSID: 0150242
System Type: COMMUNITY
Owner Type: MUNICIPAL
Surface Source:
Purchase Source: LEBANON JUNCTION WATER WORKS
Well Source:
Sells Water to:
Treatment Plant Capacity (MGD): 0.00
Percent Daily Average Production: 0.00
Total Tank Storage Capacity (gallons): 211,000.00
Total Service Connections: 863.00
Number of Employees: 3.00
Treatment Operator Class: 2D
Distribution Operator Class:
Customer Rate for 1,000 Gallons: Not available
O/M costs 1997: Not available
O/M costs per Service Connection: Not available
Net Revenue 1997: Not available
Total Water Produced 1997 (gallons): Not available
Water Sold 1997 (gallons): Not available
Unaccounted-for Water 1997 (%): Not available

MOUNT WASHINGTON WATER COMPANY

PWSID: 0150300
System Type: COMMUNITY
Owner Type: MUNICIPAL
Surface Source:
Purchase Source:
Well Source:
Sells Water to:
Treatment Plant Capacity (MGD): 0.00
Percent Daily Average Production: 0.00
Total Tank Storage Capacity (gallons): 250,000.00
Total Service Connections: 5,053.00
Number of Employees: 10.00
Treatment Operator Class: 2D
Distribution Operator Class:
Customer Rate for 1,000 Gallons: Not available
O/M costs 1997: Not available
O/M costs per Service Connection: Not available
Net Revenue 1997: Not available
Total Water Produced 1997 (gallons): Not available
Water Sold 1997 (gallons): Not available
Unaccounted-for Water 1997 (%): Not available

SHEPHERDSVILLE WATER COMPANY

PWSID: 0150395
System Type: COMMUNITY
Owner Type: MUNICIPAL
Surface Source:
Purchase Source: KENTUCKY TURNPIKE WATER DISTRICT NUMBER 1
Well Source:
Sells Water to:
Treatment Plant Capacity (MGD): 0.00
Percent Daily Average Production: 0.00
Total Tank Storage Capacity (gallons): 100,000.00
Total Service Connections: 1,179.00
Number of Employees: 7.00
Treatment Operator Class: 2D
Distribution Operator Class:
Customer Rate for 1,000 Gallons: Not available
O/M costs 1997: Not available
O/M costs per Service Connection: Not available
Net Revenue 1997: Not available
Total Water Produced 1997 (gallons): Not available
Water Sold 1997 (gallons): Not available
Unaccounted-for Water 1997 (%): Not available

OTHER SYSTEMS

JIM BEAM BRANDS COMPANY

Jim Beam Brands Company is located in Bullitt County. The system serves a population of 550 and has 1 service connection. The private, non-transient, non-community system has treatment capacity of 432,000 gallon per day. The water source is surface water from reservoirs.

NICHOLS ELEMENTARY

Nichols Elementary is located in Bullitt County. The system serves a population of 216 and has 1 service connection. The local, non-transient, non-community system has treatment capacity of 48,000 gallon. The water source is cistern/roof drains.

CAMP CRESCENDO

Camp Crescendo is located in Bullitt County. The system serves a population of 600 and has 9 service connections. The private, transient, non-community system has treatment capacity of 50,400 gallon per day. The water source is surface water from a lake.

OLD KY HOME SCOUT RESERVATION

Old Ky Home Scout Reservation is located in Bullitt County. The system serves a population of 500 and has 1 service connection. The private, transient, non-community system purchases water from Ky Turnpike WD #2.

PRIVATE DOMESTIC SYSTEMS

About 13,300 residents of Bullitt County rely on private domestic water supplies: about 6,650 on wells and 6,650 on other sources.

In the Salt River valley bottoms and in the bottoms of the larger tributaries, most drilled wells will produce enough water for a domestic supply at depths of less than 100 feet. Wells located in the rest of the larger valleys and in the uplands of central Bullitt County will produce enough water for a domestic supply except during dry weather. In the remaining upland areas in Bullitt County which encompasses approximately 50% of the county, most drilled wells will not produce enough water for a dependable domestic supply except along drainage lines which may produce enough water except during dry weather.

Throughout the county ground water is hard or very hard and may contain salt or hydrogen sulfide, especially at depths greater than 100 feet.
